

ADDENDUM

Date. 20th Aug'2020

REVISED Specifications for H13

Specifications for H13 Class HEPA Air Purifiers

General requirement	High-efficiency particulate air purifier machines that must remove atleast 99.97% of particles whose diameter is equal to 0.3 µm, with the filtration efficiency increasing for particle diameters greater than 0.3 µm. <u>Must have</u> additional carbon filter for removal of gases and odours. Portable and plug & play type.
Type of Filter	HEPA filters with ability to capture microbes including harmful bacteria, dust, pollen, and other harmful airborne particulates down to 0.3 µm or lower in size. Filters must be H13 or higher certified by Internationally recognized bodies/certifications such as EN 1822 (European) or equivalent. Copy of the certificate for the offered filters must be provided. For filtration efficiency, the test report or the certificate should cover filtration for particulates size 0.3 µm with an efficiency of 99.97%. Preferably, the test report or the certificate should cover filtration for particulates size 0.1 to 0.16 µm (the size of COVID novel virus) with an efficiency of 99.97%. Must have additional carbon filter to remove harmful gases and odours. Specify type of particulates filtered (fine dust, medium dust and coarse dust, bacteria etc.) and size (surface area) of each, and odours and gases filtration. Life of filters must be of reasonable duration according to Delhi pollution conditions.
Filter indicator	Should have filter change indicator.
Programmable	Machine should be programmable for turning on and off at specified time each day of the week.
Leak tested	Machine should be leak proof. Having a leak test report is preferred.
Dimensions	Portable [example, H 72 cm X D 42 com X W 42 cm, 62 cm x 42 cm x 42 cm]
Weight of system incl. filters	Portable [example, 14 to 20 kg]
Power requirements	Machines should be 220-240 V, 50-60 HZ compatible for Indian power systems. For electrical safety of the machine, must be approved and certified by CE or equivalent.
Control panel	Touch panel with Remote control

ADDENDUM

Date. 20th Aug'2020

REVISED Specifications for H13

Air Delivery	CADR (clean air delivery rate) on maximum speed: CMH– 425 to 500 cu.m. per hr. CADR (clean air delivery rate) on minimum speed: CMH– 40 to 60 cu.m. per hr.
Fan Speeds	Provision for adjustable fan speeds to adjust the air intake.
Operating temperature	-10 to +40 °C
Auto on feature	Should have auto-on feature in case of power outage.
Warranty	Should have 3 year Warranty.